

WHAT IS CLAIMED IS:

Claim 1. A cosmetic sunless tanning spray formulation which produces a darker, longer-lasting and virtually odorless tan, said formulation comprising:

- a) 1%-20% 1,2-pentanediol,
- b) 0.5%-20% Dihydroxyacetone (DHA), and
- c) an aqueous vehicle

Claim 2. The cosmetic formulation of claim 1 wherein the pH is maintained between 3.0-6.0

Claim 3. The cosmetic formulation of claim 1 wherein the pH is maintained between 3.0-4.0 with a buffer system

Claim 4. The cosmetic formulation of claim 1 where the ratio of DHA to 1,2-pentanediol is between 1:4 and 4:1.

Claim 5. The cosmetic formulation of claim 1 containing 5-10% 1,2-pentanediol and 10% DHA

Claim 6. The cosmetic formulation of claim 5 wherein the pH is maintained between 3.0-6.0

Claim 7. The cosmetic formulation of claim 5 wherein the pH is maintained between 3.0-4.0 with a buffer system

Claim 8. The cosmetic formulation of claim 1, wherein the carrier vehicle contains one or more ingredients selected from the group consisting of water soluble or water dispersible acidifying agents, alkalizing agents, aerosol propellants, antimicrobial agents, antioxidants, buffering agents, chelating agents, coloring

additives, defoaming agents, dermatologically active agents, dispersing agents, emollients, emulsifying agents, humectants, fragrances, moisturizers, preservatives, solvents, sugars, sunscreen agents, surfactants, suspending agents, thickening agents, and vitamins

Claim 9. The cosmetic formulation of claim 5, wherein the carrier vehicle contains at least one ingredient selected from the group consisting of water soluble or water dispersible acidifying agents, alkalizing agents, aerosol propellants, antimicrobial agents, antioxidants, buffering agents, chelating agents, coloring additives, defoaming agents, dermatologically active agents, dispersing agents, emollients, emulsifying agents, humectants, fragrances, moisturizers, preservatives, solvents, sugars, sunscreen agents, surfactants, suspending agents, thickening agents, and vitamins